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OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/696,070

DATE: 11/09/2000

TIME: 11:37:03

Input Set : A:\Seq.Listing.ASCII.txt

Output Set: N:\CRF3\11092000\I696070.raw

ENTERED

4 <110> APPLICANT: Rothman, James  
5 Mayhew, Mark  
6 Hoe, Mee  
8 <120> TITLE OF INVENTION: KDEL RECEPTOR INHIBITORS  
11 <130> FILE REFERENCE: 31488  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/696,070  
C--> 14 <141> CURRENT FILING DATE: 2000-10-25  
16 <160> NUMBER OF SEQ ID NOS: 42  
18 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 46  
22 <212> TYPE: PRT  
23 <213> ORGANISM: Ratus ratus  
25 <400> SEQUENCE: 1  
26 Gly Asp Leu Ala Pro Gln Met Leu Arg Glu Leu Gln Glu Thr Asn Ala  
27 1 5 10 15  
28 Ala Leu Gln Asp Val Arg Glu Leu Leu Arg Gln Gln Val Lys Glu Ile  
29 20 25 30  
30 Thr Phe Leu Lys Asn Thr Val Met Glu Cys Asp Ala Cys Gly  
31 35 40 45  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 46  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Homo sapiens  
38 <400> SEQUENCE: 2  
39 Ser Asp Leu Gly Pro Gln Met Leu Arg Glu Leu Gln Glu Thr Asn Ala  
40 1 5 10 15  
41 Ala Leu Gln Asp Val Arg Asp Trp Leu Arg Gln Gln Val Arg Glu Ile  
42 20 25 30  
43 Thr Phe Leu Lys Asn Thr Val Met Glu Cys Asp Ala Cys Gly  
44 35 40 45  
46 <210> SEQ ID NO: 3  
47 <211> LENGTH: 46  
48 <212> TYPE: PRT  
49 <213> ORGANISM: Mus musculus  
51 <400> SEQUENCE: 3  
52 Gly Glu Gln Thr Lys Ala Leu Val Thr Gln Leu Thr Leu Phe Asn Gln  
53 1 5 10 15  
54 Ile Leu Val Glu Leu Arg Asp Asp Ile Arg Asp Gln Val Lys Glu Met  
55 20 25 30  
56 Ser Leu Ile Arg Asn Thr Ile Met Glu Cys Gln Val Cys Gly  
57 35 40 45  
59 <210> SEQ ID NO: 4  
60 <211> LENGTH: 46  
61 <212> TYPE: PRT  
62 <213> ORGANISM: Homo sapiens  
64 <400> SEQUENCE: 4

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```

65 Gly Glu Gln Thr Lys Ala Leu Val Thr Gln Leu Thr Leu Phe Asn Gln
66 1 5 10 15
67 Ile Leu Val Glu Leu Arg Asp Asp Ile Arg Asp Gln Val Lys Glu Met
68 20 25 30
69 Ser Leu Ile Arg Asn Thr Ile Met Glu Cys Gln Val Cys Gly
70 35 40 45
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 46
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 5
78 Gly Asp Phe Asn Arg Gln Phe Leu Gly Gln Met Thr Gln Leu Asn Gln
79 1 5 10 15
80 Leu Leu Gly Glu Val Lys Asp Leu Leu Arg Gln Gln Val Lys Glu Thr
81 20 25 30
82 Ser Phe Leu Arg Asn Thr Ile Ala Glu Cys Gln Ala Cys Gly
83 35 40 45
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 46
87 <212> TYPE: PRT
88 <213> ORGANISM: Xenopus laevis
90 <400> SEQUENCE: 6
91 Gly Asp Val Ser Arg Gln Leu Ile Gly Gln Ile Thr Gln Met Asn Gln
92 1 5 10 15
93 Met Leu Gly Glu Leu Arg Asp Val Met Arg Gln Gln Val Lys Glu Thr
94 20 25 30
95 Met Phe Leu Arg Asn Thr Ile Ala Glu Cys Gln Ala Cys Gly
96 35 40 45
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 27
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 7
104 Gln Lys Leu Gln Asn Leu Phe Ile Asn Phe Cys Leu Ile Leu Ile Cys
105 1 5 10 15
106 Leu Leu Leu Ile Cys Ile Ile Val Met Leu Leu
107 20 25
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 9
111 <212> TYPE: PRT
112 <213> ORGANISM: papillomavirus
114 <400> SEQUENCE: 8
115 Leu Leu Leu Gly Thr Leu Asn Ile Val
116 1 5
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 9
120 <212> TYPE: PRT
121 <213> ORGANISM: papillomavirus
123 <400> SEQUENCE: 9

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## RAW SEQUENCE LISTING

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124  Leu Leu Met Gly Thr Leu Gly Ile Val
125      1              5
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 9
129 <212> TYPE: PRT
130 <213> ORGANISM: papillomavirus
132 <400> SEQUENCE: 10
133  Thr Leu Gln Asp Ile Val Leu His Leu
134      1              5
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 9
138 <212> TYPE: PRT
139 <213> ORGANISM: papillomavirus
141 <400> SEQUENCE: 11
142  Gly Leu His Cys Tyr Glu Gln Leu Val
143      1              5
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 9
147 <212> TYPE: PRT
148 <213> ORGANISM: papillomavirus
150 <400> SEQUENCE: 12
151  Pro Leu Lys Gln His Phe Gln Ile Val
152      1              5
154 <210> SEQ ID NO: 13
155 <211> LENGTH: 115
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: chimeric rat comp
162 <400> SEQUENCE: 13
163  Met Gly Lys Phe Thr Val Val Ala Ala Ala Leu Leu Leu Gly Ala
164      1              5              10              15
165  Val Arg Ala Glu Gly Ser Ser Leu Gly Gly Asp Leu Ala Pro Gln Met
166      20              25              30
167  Leu Arg Glu Leu Gln Glu Thr Asn Ala Ala Leu Gln Asp Val Arg Glu
168      35              40              45
169  Leu Leu Arg Gln Gln Val Lys Glu Ile Thr Phe Leu Lys Asn Thr Val
170      50              55              60
171  Met Glu Cys Asp Ala Cys Gly Met Gln Pro Ala Arg Thr Pro Gly Thr
172      65              70              75              80
173  Ser Pro Gln Pro Gln Pro Lys Pro Gln Pro Gln Pro Gln Pro
174      85              90              95
175  Lys Pro Gln Pro Lys Pro Glu Pro Glu Gly Thr Gly Ser Ser Glu Lys
176      100              105              110
177  Asp Glu Leu
178      115
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 387
182 <212> TYPE: DNA

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183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: chimeric rat COMP-KDEL
188 <400> SEQUENCE: 14
189 aagcttacca tgggaaagt cactgtggtg gcggcgcggt tgctgctgct gggcgcggtg      60
190 cgggcccagg gatccagcct gggtaggagac ctgagccccc agatgcttcg agaactccag      120
191 gagactaatg cggcgctgca agacgtgaga gagctcttgc gacagcaqyt caaggagatc      180
192 accttctctga agaatacggg gatggaatgt gacgcttgcg gaatgcagcc cgcacgcacc      240
193 cccggtacta gtccgcagcc gcagccgaaa ccgcagccgc agccgcagcc gcagccgaaa      300
194 ccgcagccga aaccggaacc ggaaggtacc ggatcatcag aaaaagatga gttgtaggcg      360
195 gccgcagaat tccatatgca tctcgag                                     387
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 115
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: chimeric rat COMP-KDEL
205 <400> SEQUENCE: 15
206 Met Gly Lys Phe Thr Val Val Ala Ala Ala Leu Leu Leu Leu Gly Ala
207   1             5             10             15
208 Val Arg Ala Glu Gly Ser Ser Leu Gly Gly Asp Cys Cys Pro Gln Met
209           20           25           30
210 Leu Arg Glu Leu Gln Glu Thr Asn Ala Ala Leu Gln Asp Val Arg Glu
211   35           40           45
212 Leu Leu Arg Gln Gln Val Lys Glu Ile Thr Phe Leu Lys Asn Thr Val
213   50           55           60
214 Met Glu Cys Asp Ala Cys Gly Met Gln Pro Ala Arg Thr Pro Gly Thr
215   65           70           75           80
216 Ser Pro Gln Pro Gln Pro Lys Pro Gln Pro Gln Pro Gln Pro Gln Pro
217           85           90           95
218 Lys Pro Gln Pro Lys Pro Glu Pro Glu Gly Thr Gly Ser Ser Glu Lys
219   100          105          110
220 Asp Glu Leu
221   115
223 <210> SEQ ID NO: 16
224 <211> LENGTH: 387
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: chimeric rat COMP-KDEL
231 <400> SEQUENCE: 16
232 aagcttacca tgggaaagt cactgtggtg gcggcgcggt tgctgctgct gggcgcggtg      60
233 cgggcccagg gatccagcct gggtaggagac tggtagccac agatgcttcg agaactccag      120
234 gagactaatg cggcgctgca agacgtgaga gagctcttgc gacagcaggt caaggagatc      180
235 accttctctga agaatacggg gatggaatgt gacgcttgcg gaatgcagcc cgcacgcacc      240
236 cccggtacta gtccgcagcc gcagccgaaa ccgcagccgc agccgcagcc gcagccgaaa      300
237 ccgcagccga aaccggaacc ggaaggtacc ggatcatcag aaaaagatga gttgtaggcg      360
238 gccgcagaat tccatatgca tctcgag                                     387
240 <210> SEQ ID NO: 17

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## RAW SEQUENCE LISTING

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Input Set : A:\Seq.Listing.ASCII.txt

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```

241 <211> LENGTH: 105
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: chimeric mouse TSP3-KDEL
248 <400> SEQUENCE: 17
249 Met Gly Lys Phe Thr Val Val Ala Ala Ala Leu Leu Leu Leu Gly Ala
250 1 5 10 15
251 Val Arg Ala Glu Gly Ser Ser Leu Gly Gly Asp Cys Cys Lys Ala Leu
252 20 25 30
253 Val Thr Gln Leu Thr Leu Phe Asn Gln Ile Leu Val Glu Leu Arg Asp
254 35 40 45
255 Asp Ile Arg Asp Gln Val Lys Glu Met Ser Leu Ile Arg Asn Thr Ile
256 50 55 60
257 Met Glu Cys Gln Val Cys Gly Pro Gln Pro Gln Pro Lys Pro Gln Pro
258 65 70 75 80
259 Gln Pro Gln Pro Gln Pro Lys Pro Gln Pro Lys Pro Glu Pro Glu Gly
260 85 90 95
261 Thr Gly Ser Ser Glu Lys Asp Glu Leu
262 100 105
264 <210> SEQ ID NO: 18
265 <211> LENGTH: 357
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: chimeric mouse TSP3-KDEL
272 <400> SEQUENCE: 18
273 aagcttacca tgggaaagtt cactgtggtg gcggcgccgt tgetgctgct gggcgcggtg 60
274 cgggcccagg gatccagcct gggtggagac tggtgtaagg cattggtcac ccagctcacc 120
275 ctcttcaacc agatcctagt ggagcttcgg gacgacatcc gagaccaggt gaaggaaatg 180
276 tcaactcatcc ggaacaccat catggagtggt caggtgtgcg gtccgcagcc gcagccgaaa 240
277 ccgcagccgc agccgcagcc gcagccgaaa ccgcagccga aaccggaacc ggaagggtacc 300
278 ggatcatcag aaaaagatga gttgtagcgg gccgcagaat tccatatgca tctcgag 357
280 <210> SEQ ID NO: 19
281 <211> LENGTH: 109
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: chimeric mouse TSP3-KDEL
288 <400> SEQUENCE: 19
289 Met Gly Lys Phe Thr Val Val Ala Ala Ala Leu Leu Leu Leu Gly Ala
290 1 5 10 15
291 Val Arg Ala Glu Gly Ser Ser Leu Gly Gly Asp Cys Cys Gly Glu Gln
292 20 25 30
293 Thr Lys Ala Leu Val Thr Gln Leu Thr Leu Phe Asn Gln Ile Leu Val
294 35 40 45
295 Glu Leu Arg Asp Asp Ile Arg Asp Gln Val Lys Glu Met Ser Leu Ile
296 50 55 60
297 Arg Asn Thr Ile Met Glu Cys Gln Val Cys Gly Pro Gln Pro Gln Pro

```

PII:

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/696,070

DATE: 11/09/2000  
TIME: 11:37:04

Input Set : A:\Seq.Listing.ASCII.txt  
Output Set: N:\CRF3\11092000\I696070.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:641 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:38  
L:641 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38  
L:641 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:38